

me  
8. (Amended) A dental prosthesis comprising an injection molded dental prosthesis, at least a portion of said injection molded dental prosthesis consisting essentially of semi-crystalline thermoplastic polyamide having a Charpy notched impact strength of at least 3.5 ft-lb/in<sup>2</sup>.

B  
18. (Amended) A method of making a removable partial dental prosthesis comprising:

molding a removable partial dental prosthesis having a base, an artificial tooth and a clasp,

said artificial tooth being supported by said base,

said base being integrally connected to said clasp,

said base comprising pigment and being substantially opaque,

said clasp being effectively free of pigment and being substantially transparent.

said base being formed to mate with oral mucosa for support of said prosthesis thereon.

19. (Amended) The method of claim 18 further comprising providing a first enclosure enclosing first particles of thermoplastic in a first cartridge said first cartridge enclosing pigment,

providing a second enclosure enclosing second particles of thermoplastic in the second cartridge, said second cartridge being effectively free of pigment, and

wherein said base is formed by injection molding first particles of thermoplastic and said clasp is formed by injection molding second particles of thermoplastic.

20. (Amended) A method of making a removable partial dental prosthesis, comprising:

providing a mold having a mold cavity and containing said artificial tooth,

B<sup>1</sup> injecting substantially transparent thermoplastic into a first portion of said mold cavity, and

injecting substantially opaque thermoplastic into a second portion of said mold cavity,

removing said removable partial dental prosthesis from said mold, <sup>said</sup> removable partial dental prosthesis having an artificial tooth and an opaque base comprising pigment integrally connected to a substantially transparent clasp.

---

*MA  
already  
patented*

Please add claims 26-36 as follows:

26. A method of making a dental prosthesis comprising:

injection molding polymeric material consisting essentially of semi-crystalline thermoplastic polyamide having a Charpy notched impact strength of at least 3.5 ft-lb/in<sup>2</sup> to form at least a portion of said dental prosthesis.

27. A method of making a dental prosthesis comprising:

injection molding a dental prosthesis having a base, an artificial tooth and a clasp, said base being integrally connected to said clasp, said artificial tooth being supported by said base, said base comprising pigment and being substantially opaque, said clasp being effectively free of pigment and being substantially transparent, said base being formed to mate with oral mucosa for support of said prosthesis thereon.

28. The prosthesis of Claim 8 wherein said polyamide comprises at least 10 percent by weight of micro-crystals having a largest dimension less than 750 nanometers and said polyamide has an opacity less than 30% and a Charpy notched impact strength of at least 4.5 ft-lb/in<sup>2</sup>.

29. The prosthesis of Claim 8 wherein said polyamide comprises at least 30 percent by weight of micro-crystals having a largest dimension less than 750 nanometers and a Charpy notched impact strength of at least 4.5 ft-lb/in<sup>2</sup>.

30. The prosthesis of Claim 8 wherein said device is a denture, partial denture, clasp, splint, or night guard.

31. The method of Claim 26 wherein said polyamide comprises at least 10 percent by weight of micro-crystals having a largest dimension less than

750 nanometers and said polyamide has an opacity less than 30% and a Charpy notched impact strength of at least 4.5 ft-lb/in<sup>2</sup>.

32. The method of Claim 26 wherein said polyamide comprises at least 30 percent by weight of micro-crystals having a largest dimension less than 750 nanometers and a Charpy notched impact strength of at least 4.5 ft-lb/in<sup>2</sup>.

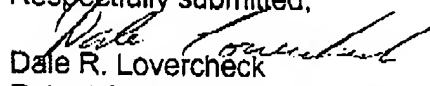
33. The method of Claim 26 wherein said dental prosthesis is a denture, partial denture, clasp, splint, or night guard.

34. The method of Claim 26 further comprising storing first particles of said thermoplastic polyamide in a first cartridge comprising a metal container.

35. The method of Claim 34 wherein said first particles of thermoplastic polyamide are effectively free of pigment, and are injected into a portion of a mold to form a transparent clasp integrally connected to a denture.

36. The method of Claim 34 further comprising providing a package, said package supporting said first cartridge and a second cartridge, said first cartridge enclosing pigment and said first particles of thermoplastic, and said second cartridge enclosing second particles of thermoplastic, said second particles of thermoplastic enclosed in said second cartridge being effectively free of pigment.

Respectfully submitted,

  
Dale R. Lovercheck

Patent Attorney Reg. No. 28638

DENTSPLY INTERNATIONAL INC.

570 West College Avenue

York, Pa 17405-0872

(717) 849-4472

July 19, 2002